

Amendments to the Claims:

The listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1. (original) A laser printer comprising a laser scanning unit, wherein the laser scanning unit comprises:

a frame body;

a semiconductor laser for emitting a laser beam, the semiconductor laser being installed inside the frame body;

a semiconductor laser drive circuit for controlling the driving of the semiconductor laser;

a polygon mirror for causing the laser beam to scan on a photosensitive drum;

a motor for rotating the polygon mirror, the motor being placed inside the frame body and having the polygon mirror mounted;

a motor drive circuit for controlling the driving of the motor;

a synchronizing signal detecting circuit having a photodiode for detecting a scan start position of the laser beam; and

a first circuit board on which the synchronizing signal detecting circuit is packaged;

one second circuit board made of paper phenol without heat radiation function for packaging two circuits of the semiconductor laser drive circuit and

the motor drive circuit, the second circuit board being provided outside the frame body;

a motor mounting member only having a motor mounting function;

a first flexible cable for connecting the second circuit board provided outside the frame body and the motor placed inside the frame body; and

a second flexible cable for connecting the second circuit board provided outside the frame body and the semiconductor laser installed inside the frame body;

wherein the semiconductor laser is mounted inside the frame body to be angularly adjustable by itself; and

wherein the motor is mounted inside the frame body via the motor mounting member.

2. (original) An image forming apparatus comprising a laser scanning unit, wherein the laser scanning unit comprises:

a frame body;

a semiconductor laser for emitting a laser beam, the semiconductor laser being installed inside the frame body;

a polygon mirror for causing the laser beam to scan on a photosensitive drum;

a motor for rotating the polygon mirror, the motor being placed inside the frame body and having the polygon mirror mounted; and

a circuit board for packaging two circuits of a semiconductor laser drive circuit for controlling the driving of the semiconductor laser and a motor drive circuit for controlling the driving of the motor, the circuit board being provided in an area a predetermined distance apart from an area where the motor is placed in the frame body.

3. (original) The image forming apparatus according to claim 2, wherein the circuit board comprises a circuit board made of paper phenol without heat radiation function.

4. (currently amended) The image forming apparatus according to claim 2, further comprising a motor mounting member only having a motor mounting function and disposed between the motor and the frame body, wherein the motor is mounted inside the frame body via the motor mounting member.

5. (original) The image forming apparatus according to claim 2, wherein the semiconductor laser is mounted inside the frame body to be angularly adjustable by itself.

6. (original) The image forming apparatus according to claim 2, further comprising:

a first flexible cable for connecting the circuit board provided outside the frame body and the motor placed inside the frame body; and

a second flexible cable for connecting the circuit board provided outside the frame body and the semiconductor laser installed inside the frame body.

7. (new) The laser printer according to claim 1, wherein the frame body includes a hole through which the first flexible cable is disposed for connecting the second circuit board and the motor.

8. (new) The laser printer according to claim 1, wherein each of the first and second flexible cables comprises a plurality of wires.

9. (new) The laser printer according to claim 1, wherein the laser scanning unit further comprises a scan start position detector for detecting a scan start position of the laser beam.

10. (new) The laser printer according to claim 9, wherein the scan start position detector comprises a photodiode.

11. (new) The image forming apparatus according to claim 6, wherein the frame body includes a hole through which the first flexible cable is disposed for connecting the circuit board and the motor.

12. (new) The image forming apparatus according to claim 6, wherein each of the first and second flexible cables comprises a plurality of wires.

13. (new) The image forming apparatus according to claim 2, wherein the laser scanning unit further comprises a scan start position detector for detecting a scan start position of the laser beam.

14. (new) The image forming apparatus according to claim 13, wherein the scan start position detector comprises a photodiode:

15. (new) The image forming apparatus according to claim 3, wherein the laser scanning unit further comprises a scan start position detector for detecting a scan start position of the laser beam.

16. (new) The image forming apparatus according to claim 15, wherein the scan start position detector comprises a photodiode.